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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Aritaka Ohno, et al.

Patent No. 6,831,749

Patent Issue Date: December 14, 2004

Application No.: 10/070,076

Filing Date: March 1, 2002

Title: Sagnac Interferometer
Current Sensor

Examiner: Andrew Hwa Lee

Art Unit: 2877

December 29, 2004
San Francisco, California

Mail Stop Petition
Office of Petitions
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

**PETITION UNDER 37 CFR 1.183 TO GRANT REQUEST FOR
CERTIFICATE OF CORRECTION OF ASSIGNEE'S NAME ON PATENT**

Sir:

Pursuant to 37 CFR 1.183, Petitioner requests that 37 CFR 3.81(a) be waived to permit the name of the assignee to be provided after issuance of the patent.

The failure to include the second (part interest) assignee's name on the PTOL-85 was inadvertent. Due to a clerical error, the assignee name in Item 3 of the Issue Fee Transmittal, Form PTOL-85 was inadvertently omitted. A copy of the PTOL-85 is attached for reference.

The second assignee's name, Kabushiki Kaisha Toshiba, was duly recorded by the Assignment Division on Reel/Frame 012845/0839. A copy of the Notice of Recordation of Assignment Document is enclosed.

01/04/2005 HALI11 00000005 070137 6831749
02 FC:1462 270.00 DA 130.00 DP

Docket No. KPO147

*Petition Under 37 CFR 1.183 To Grant Request For
Certificate Of Correction To Include Assignee's Name On Patent*

The undersigned respectfully requests that this Petition be granted and the enclosed Request for Certificate of Correction Under 37 CFR §1.323 be approved.

A check for \$230.00 is enclosed to cover the \$130.00 petition fee prescribed by 37 CFR 1.17(h) and the \$100 fee for providing a certificate of correction for applicant's mistake (§1.323). You are authorized to charge any additional fee due, or to credit any overpayment, to deposit account 07-0137. A copy of the pages authorizing the charge to deposit account is enclosed.

Respectfully submitted,



David N. Lathrop
Reg. No. 34,655
601 California St., Suite 1111
San Francisco, CA 94108-2805
Telephone: (415) 989-8080
Facsimile: (415) 989-0910

Certificate of Mailing Under 37 CFR 1.8

I certify that this Petition, Certificate of Correction and all enclosed materials are being deposited with the United States Postal Service on December 29, 2004 with sufficient postage as first class mail in an envelope addressed to Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



David N. Lathrop

Enc. Copy of Issue Fee Transmittal- PTOL-85
Copy of Notice of Recordation with
attachments
Check for \$230
Request For Certificate Of Correction
Under 37 CFR §1.323
Certificate of Correction PTO SB44
Return receipt postcard

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: MailMail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (703) 746-4000

COPY

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

25271 7590 08/12/2004

GALLAGHER & LATHROP, A PROFESSIONAL
CORPORATION
601 CALIFORNIA ST
SUITE 1111
SAN FRANCISCO, CA 94108



Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

Jean C. Reed

(Depositor's name)

(Signature)

November 3, 2004

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/070,076	03/01/2002	Aritaka Ohno	KP0147	7254

TITLE OF INVENTION: SAGNAC INTERFEROMETER CURRENT SENSOR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	11/12/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
LEE, HWA S	2877	356-483000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 David N. Lathrop, Esq.

2 Gallagher & Lathrop

3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Japan Aviation Electronics Industry Limited

Tokyo, Japan

Please check the appropriate assignee category or categories (will not be printed on the patent); ☐ individual ☒ corporation or other private group entity ☐ government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
☒ Publication Fee (No small entity discount permitted)
☒ Advance Order - # of Copies 2

4b. Payment of Fee(s):

- ☒ A check in the amount of the fee(s) is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 07-0137 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.☐ b. Applicant is not claiming SMALL ENTITY status. See, e.g., 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

(Authorized Signature)

(Date)

David N. Lathrop, Esq.

11-03-04

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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TRANSMIT THIS FORM WITH FEE(S)



UNITED STATES
PATENT AND
TRADEMARK OFFICE



COPY

JULY 02, 2002

PTAS

Commissioner for Trademarks
Arlington, VA 22202-3513
www.uspto.gov

GALLAGHER & LATHROP
DAVID N. LATHROP
A PROFESSIONAL CORPORATION
601 CALIFORNIA STREET, SUITE 1111
SAN FRANCISCO, CA 94108-2805

RECEIVED

JUL - 9 2002

601 CALIFORNIA ST.



102077842A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/01/2002

REEL/FRAME: 012845/0839
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

TERAI, KIYOHISA

DOC DATE: 02/15/2002

ASSIGNOR:

TAKAHASHI, MASAO

DOC DATE: 02/15/2002

ASSIGNOR:

SASAKI, KINICHI

DOC DATE: 02/15/2002

ASSIGNEE:

KABUSHIKI KAISHA TOSHIBA
1-1, SHIBAURA 1-CHOME, MINATO-KU
TOKYO, JAPAN

SERIAL NUMBER: 10070076
PATENT NUMBER:

FILING DATE: 03/01/2002
ISSUE DATE:

KP0147

012845/0839 PAGE 2

PAULA MCCRAY, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

05-03-2002



102077842

RECORDATION FORM COVER SHEET PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party:

Kiyohisa Terai, Masao Takahashi and Kinichi Sasaki

Additional names attached

☐ Yes ☒ No

2. Name and address of receiving party(ies):

Kabushiki Kaisha Toshiba
1-1, Shibaura 1-chome, Minato-ku
Tokyo, Japan

3. Nature of Conveyance:

☒ Assignment

☐ Change of Name

☐ Other:

Execution Date: 02/15/02

Additional name(s) & address(es)

☐ Yes ☒ No

4. Application Number or Patent Number

If this document is being filed together with a new application, the execution date of the application is: 02/15/02

Application Number

Patent Number

☐ If checked, additional numbers are attached

5. Name and address of party to whom correspondence concerning document should be mailed:

David N. Lathrop, Esquire
GALLAGHER & LATHROP
A Professional Corporation
601 California Street, Suite 1111
San Francisco, CA 94108-2805

6. Total Number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

☒ Enclosed

☐ Charge to deposit account (copy attached)

8. Deposit account number: 07-0137

DO NOT USE THIS SPACE

9. Statement and Signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy or the original document.

David N. Lathrop

Name

Signature

March 1, 2002

Date

Total # pages including cover sheet:

3

Mail documents to be recorded with required cover sheet information to:

03/07/2002 UEDUVIJE 00000182 10070076

04 FC:581

40.00 DP

Commissioner of Patents and Trademarks
Box Assignment
Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project, (0651-0011), Washington, D.C. 20503

10/070076

JC19 Rec'd PCT/PTO 01 MAR 2002



ASSIGNMENT

I am an inventor of a new invention entitled

"CURRENT SENSOR USING A SAGNAC INTERFEROMETER"

by Aritaka Ohno, Ryuji Usui, Kiyohisa Terai, Masao Takahashi and Kinichi Sasaki, for which I have filed an international patent application under the Patent Cooperation treaty, such invention being described in and identified by international application number PCT/JP01/05853 filed July 5, 2001.

KABUSHIKI KAISHA TOSHIBA, whose address is 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan, hereinafter referred to as ASSIGNEE, is desirous of acquiring my entire right, title and interest in and to said application and said invention, in and to any and all improvements relating to said invention, and in and to each and every Patent thereon, when granted in the United States.

For good and valuable consideration, the receipt of which is acknowledged:

1. I sell, assign, transfer and convey unto ASSIGNEE, my entire right, title and interest:
 - (a) in and to said invention, improvements, application, and each and every additional application filed in the United States of America, which additional application is a division, substitution, continuation or continuation-in-part of or is based on said application or which additional application relates to said invention and improvements;
 - (b) all priority rights associated with the filing of each and every such application, and
 - (c) in and to each and every Patent on said invention and improvements that may be granted, including each and every Patent that may be granted on any of the applications referred to in sub-section (a), and in and to each and every reissue, re-examination or extension of each and every such Patent.
2. I warrant, covenant and represent the fact that I have not heretofore granted any license, right or privilege in the United States of America with respect to said invention or said application to any other, or in any other way encumbered the same, and that I have the full right to sell, assign, transfer and convey, free of all licenses and encumbrances, the entire interest hereby assigned.
3. I covenant that, at the request and expense of ASSIGNEE, I will promptly execute all papers necessary or desirable to perfect ownership of said invention, applications and said each and every Patent to ASSIGNEE, and execute all oaths, declarations and other papers necessary or desirable for prosecuting said applications, for use in interference proceedings involving said invention, applications and each and every Patent, for use in opposition proceedings involving said invention, applications and each and every Patent, for refiling said applications, for filing of divisional, substitution, continuation or continuation-in-part applications deemed necessary or desirable by ASSIGNEE, for

reissuance or re-examination of said each and every Patent. I further covenant and agree that, at the expense and request of ASSIGNEE, I will promptly assist ASSIGNEE in interference and opposition proceedings involving said invention, applications and each and every Patent, and in litigation involving said invention, applications and each and every Patent, and will assist in the ascertainment of facts and the production of evidence relating to said invention, applications and each and every Patent.

4. The terms, covenants and provisions of this assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon me, my heirs, legal representatives and assigns.

Kiyohisa Terai, a resident of Kanagawa, Japan

Kiyohisa Terai
Signature

February 15, 2002
Date

Masao Takahashi, a resident of Kanagawa, Japan

Masao Takahashi
Signature

February 15, 2002
Date

Kinichi Sasaki, a resident of Kanagawa, Japan

Kin'ichi Sasaki
Signature

February 15, 2002
Date



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Aritaka Ohno, et al.

Patent No. 6,831,749

Patent Issue Date: December 14, 2004

Application No.: 10/070,076

Filing Date: March 1, 2002

Title: Sagnac Interferometer
Current Sensor

Examiner: Andrew Hwa Lee

Art Unit: 2877

December 29, 2004
San Francisco, California

Mail Stop Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 CFR §1.323

Sir:

This Request for Certificate of Correction under 37 CFR §1.323 is enclosed with a Petition Under 37 CFR 1.183 to Grant Request for Certificate of Correction to include Assignee's Name on Patent.

A review of the above-identified U.S. Letters Patent document revealed that certain typographical errors appear in the printed document. The undersigned respectfully requests that the following corrections be made through a Certificate of Correction, under 37 C.F.R §1.323. The errors/corrections are indicated below in the attached form PTO/SB/44.

Requested Corrections:

Title Page, in the line after the Inventors list, insert INID code -- (73) Assignee: Kabushiki Kaisha Toshiba, Tokyo, Japan (part interest).

The error is a clerical error wherein the name of the assignee was inadvertently omitted during the preparation of the Issue Fee transmittal, item 3.

01/04/2005 HALI11 00000005 070137 6831749

01 FC:1811

100.00 OP

KPO147

Request for Certificate of Correction in Patent No. 6,831,749

Upon grant of the Petition and approval of this Request for Certificate of Correction, it is requested that a certified copy of the enclosed certificate form be returned to the undersigned counsel for attachment to the original Letters Patent document.

Respectfully submitted,



David N. Lathrop, Esq.
Reg. No. 34,655
601 California St., Suite 1111
San Francisco, CA 94108-2805
Telephone: (415) 989-8080
Facsimile: (415) 989-0910

Certificate of Mailing Under 37 CFR 1.8

I certify that this Request for Certificate of Correction and all enclosed materials are being deposited with the United States Postal Service on December 29, 2004 with sufficient postage as First Class Mail in an envelope addressed to Mail Stop Petition, Commissioner for Patents, Washington, DC 20231.



DAVID N. LATHROP

Enc. Cert. of Correction Form PTO/SB/44
Petition Under 37 CFR 1.183
Check for \$230
Return Receipt Postcard

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO. : 6,831,749

DATED : December 14, 2004

INVENTOR(S) : Aritaka Ohno, Ryuji Usui, Kiyohisa Terai, Masao Takahashi and Kinichi Sasaki

It is certified that error appears in the above-identified patent and that said Letters Patent
is hereby corrected as shown below:

Title Page, in the line after the Inventors list, insert INID code -- (73) Assignee: Kabushiki Kaisha Toshiba,
Tokyo, Japan (part interest).

MAILING ADDRESS OF SENDER:

David N. Lathrop, Esq., Gallagher & Lathrop
601 California Street, Suite 1111
San Francisco, CA 94108

PATENT NO. 6,831,749

No. of additional copies



This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.